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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/729,965	12/09/2003	Ari Minkkinen	612.43291X00	612.43291X00 2197	
20457	7590 09/01/2006		EXAMINER		
ANTONELLI, TERRY, STOUT & KRAUS, LLP			JOHNSON, EDWARD M		
1300 NORTH SEVENTEENTH STREET SUITE 1800		ART UNIT	PAPER NUMBER		
ARLINGTON, VA 22209-3873			1754		
			DATE MAILED: 09/01/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	Applicant(s)		
10/729,965	MINKKINEN ET AL.	MINKKINEN ET AL.		
Examiner	Art Unit			
Edward M. Johnson	1754			

	Edward IVI. Commoun							
The MAILING DATE of this communication appe	ars on the cover sheet with the (correspondence add	ress					
THE REPLY FILED 16 August 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.								
1. The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance	wing replies: (1) an amendment, af tice of Appeal (with appeal fee) in	fidavit, or other eviden compliance with 37 Cl	rce, which FR 41.31; or (3)					
time periods:								
a) The period for reply expiresmonths from the mailing	-							
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire to	ater than SIX MONTHS from the mailin	g date of the final rejection	on.					
Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 7	06.07(f).							
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amount shortened statutory period for reply orig r than three months after the mailing da	of the fee. The appropri	ate extension fee ce action; or (2) as					
2. The Notice of Appeal was filed on A brief in comp	oliance with 37 CFR 41 37 must be	filed within two month	s of the date of					
filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed AMENDMENTS	nsion thereof (37 CFR 41.37(e)), to	o avoid dismissal of th						
3. The proposed amendment(s) filed after a final rejection,	but prior to the date of filing a brief	, will not be entered be	ecause					
(a) They raise new issues that would require further co	nsideration and/or search (see NO							
(c) They are not deemed to place the application in bei	•	educina or simplifyina i	the issues for					
appeal; and/or	to to the total appear by materially re	oddonig or onripinying						
(d) They present additional claims without canceling a	· · · · · · · · · · · · · · · · · · ·	jected claims.						
NOTE: (See 37 CFR 1.116 and 41.33(a)).								
4. The amendments are not in compliance with 37 CFR 1.1		ompliant Amendment	(PTOL-324).					
5. Applicant's reply has overcome the following rejection(s)								
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	•	•	_					
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows:	☐ will not be entered, or b) ☐ wivided below or appended.	ill be entered and an e	explanation of					
Claim(s) allowed:								
Claim(s) objected to:								
Claim(s) rejected: <u>1-20</u> . Claim(s) withdrawn from consideration:								
AFFIDAVIT OR OTHER EVIDENCE								
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e).								
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under appe	al and/or appellant fai	ls to provide a					
10. The affidavit or other evidence is entered. An explanatio REQUEST FOR RECONSIDERATION/OTHER	•		•					
 Me The request for reconsideration has been considered bu See Continuation Sheet. 	it does NOT place the application i	n condition for allowar	nce because:					
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08 or PTO-1449) Paper I	No(s)						
13. Other:		PINIA 1						
		Edward M. Johnson	- 1					
		Primary Examiner	•					

Art Unit: 1754

Continuation Sheet (PTO-303)

Continuation of 5. Applicant's reply has overcome the following rejection(s): the rejection of claims 17-18 under 35 USC 112(1) has been overcome by Applicant's indication of support for the solvents having different concentrations.

Continuation of 11. does NOT place the application in condition for allowance because: It is argued that a first difference between the present invention... a dialdehyde and an alkanolamine. This is not persuasive because Applicant appears to admit that a mixture of such reactants is disclosed, Applicant merely claims contacting with a solvent comprising amine, and Pounds discloses "amine products" (see columns 5-6). And, in any case, no such 100% reaction resulting in zero amines present is disclosed, nor does Applicant appear to allege that the disclosed products are in fact different and contain no amines, arguing only that the mixture is referred to as a reaction product.

It is argued that the scavenging compounds are prepared by reaction... and (2) and aldehyde. This is not persuasive befor the reasons above.

It appears from the Examiner's comments... some unreacted amines. This is not persuasive for the reasons above. Applicant appears to assert that a chemical reaction producing a product different an amine is disclosed. However, no such disclosure is found. Rather, Pounds discloses "amine products" (see columns 5-6). Applicant appears to admit that the amines may be "unreacted" and it would have been obvious to select an optimum amount of amine in either step including 20-95% by weight because Pounds discloses a single circuit any concentration and about 85% (see abstract and column 6, lines 18-20). It is also further noted that Applicant does not allege that the product contains no amines, or is not itself an amine, as the nitrogen atoms do not appear to be removed from the resulting solution of amines and dialdehyde of the prior art.

It is argued that a second difference between the present invention... to dehydrate the gas. This is not persuasive because Applicant appears to admit that contacting with the claimed solvent is disclosed, arguing only that Applicant has found the further advantage of dehydration. However, the fact that applicant has recognized another advantage which would flow naturally from following the suggestion of the prior art cannot be the basis for patentability when the differences would otherwise be obvious. See Ex parte Obiaya, 227 USPQ 58, 60 (Bd. Pat. App. & Inter. 1985). And, in any case, Pounds discloses that since hydrogen sulfide is corrosive in the presence of water and poisonous in very small concentrations, it must be removed from natural gas streams "before use" (see column 1, lines 45-50), which would obviously, to one of ordinary skill, at least motivate contacting again to remove water from the natural gas after the hydrogen sulfide has been removed but "before use" of the natural gas, as disclosed. Further, it would have been within the purview of one of ordinary skill in the art would to expect a disclosure of 85% to include a range of acceptable values at least including 90%.

It is argued that moreover, the Pounds et al patent does not... regenerating the scavenging compounds. This is not persuasive because distilling would regenerate and Pounds discloses heating to below about 150 degrees (see column 6, lines 21-26), which would at least suggest distilling or expanding before the suggested second contact. Pounds further discloses the known regeneration of the compounds (see paragraph bridging columns 1-2).

It is argued that further, the specific steps of regeneration... not have been suggested by Pounds et al. This is not persuasive because distilling would regenerate and Pounds discloses heating to below about 150 degrees (see column 6, lines 21-26), which would at least suggest distilling or expanding before the suggested second contact. Pounds further discloses the known regeneration of the compounds (see paragraph bridging columns 1-2).

It is argued that the Grierson et al. patent discloses... acid gas absorption process. This is not persuasive because Applicant appears to admit that methyldiethanolamine is disclosed.